Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA G\DATA\BG041817\
Data File : BG026653.D
Acq On : 18 Apr 2017 17:43
Operator : SJ/MA
Sample : SSTDICV040
Misc :
ALS Vial : 9 Sample Multiplier: 1

**Instrument :** BNA_G
**ClientSampleId :** ICVBG041817

Quant Time: Apr 18 18:56:13 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 18 18:04:39 2017
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 8.03 | 152 | 162594 | 20.00 | ng | | -0.02 |
| 21) Naphthalene-d8 | 10.83 | 136 | 698922 | 20.00 | ng | | -0.02 |
| 38) Acenaphthene-d10 | 14.64 | 164 | 432424 | 20.00 | ng | | -0.02 |
| 63) Phenanthrene-d10 | 17.37 | 188 | 1092441 | 20.00 | ng | | -0.02 |
| 75) Chrysene-d12 | 21.61 | 240 | 1227431 | 20.00 | ng | | -0.02 |
| 86) Perylene-d12 | 24.78 | 264 | 1232870 | 20.00 | ng | | -0.04 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.60 | 112 | 729103 | 81.52 | ng | | -0.02 |
| 7) Phenol-d6 | 7.19 | 99 | 976267 | 83.30 | ng | | -0.02 |
| 23) Nitrobenzene-d5 | 9.19 | 82 | 825817 | 82.45 | ng | | -0.02 |
| 41) 2,4,6-Tribromophenol | 16.12 | 330 | 497717 | 82.60 | ng | | -0.02 |
| 44) 2-Fluorobiphenyl | 13.26 | 172 | 2297821 | 79.14 | ng | | -0.02 |
| 78) Terphenyl-d14 | 19.97 | 244 | 3311087 | 79.64 | ng | | -0.02 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 3.48 | 88 | 188145 | 40.23 | ng | # | 71 |
| 3) Pyridine | 3.89 | 79 | 437772 | 41.81 | ng | # | 62 |
| 4) n-Nitrosodimethylamine | 3.80 | 42 | 123634 | 40.59 | ng | # | 1 |
| 6) Aniline | 7.35 | 93 | 629813 | 43.03 | ng | # | 87 |
| 8) 2-Chlorophenol | 7.59 | 128 | 441604 | 41.38 | ng | # | 79 |
| 9) Benzaldehyde | 7.16 | 77 | 327253 | 41.22 | ng | # | 65 |
| 10) Phenol | 7.22 | 94 | 530564 | 41.61 | ng | # | 69 |
| 11) bis(2-Chloroethyl)ether | 7.44 | 93 | 412237 | 40.61 | ng | # | 80 |
| 12) 1,3-Dichlorobenzene | 7.92 | 146 | 518281 | 41.21 | ng | # | 84 |
| 13) 1,4-Dichlorobenzene | 8.06 | 146 | 519612m | 40.67 | ng | | |
| 14) 1,2-Dichlorobenzene | 8.38 | 146 | 499204 | 41.35 | ng | # | 90 |
| 15) Benzyl Alcohol | 8.26 | 79 | 308998 | 42.16 | ng | # | 75 |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56 | 45 | 389224 | 39.63 | ng | | 79 |
| 17) 2-Methylphenol | 8.46 | 107 | 374537 | 41.92 | ng | # | 80 |
| 18) Hexachloroethane | 9.11 | 117 | 164861 | 40.89 | ng | | 94 |
| 19) n-Nitroso-di-n-propylamine | 8.83 | 70 | 298870 | 41.14 | ng | # | 70 |
| 20) 3+4-Methylphenols | 8.79 | 107 | 520423 | 42.39 | ng | | 87 |
| 22) Acetophenone | 8.85 | 105 | 645443 | 40.41 | ng | # | 73 |
| 24) Nitrobenzene | 9.23 | 77 | 434194 | 40.94 | ng | # | 71 |
| 25) Isophorone | 9.75 | 82 | 847245 | 41.26 | ng | # | 86 |
| 26) 2-Nitrophenol | 9.94 | 139 | 268407 | 41.77 | ng | # | 62 |
| 27) 2,4-Dimethylphenol | 10.00 | 122 | 429618 | 41.42 | ng | | 86 |
| 28) bis(2-Chloroethoxy)methane | 10.23 | 93 | 555681 | 41.40 | ng | # | 97 |
| 29) 2,4-Dichlorophenol | 10.48 | 162 | 461703 | 42.56 | ng | | 93 |
| 30) 1,2,4-Trichlorobenzene | 10.69 | 180 | 489748 | 40.50 | ng | | 99 |
| 31) Naphthalene | 10.88 | 128 | 1403962 | 40.93 | ng | | 99 |
| 32) Benzoic acid | 10.13 | 122 | 289463 | 41.33 | ng | # | 70 |
| 33) 4-Chloroaniline | 10.99 | 127 | 612111 | 41.60 | ng | # | 79 |
| 34) Hexachlorobutadiene | 11.17 | 225 | 284399 | 41.13 | ng | | 99 |
| 35) Caprolactam | 11.75 | 113 | 178890 | 42.47 | ng | # | 47 |
| 36) 4-Chloro-3-methylphenol | 12.10 | 107 | 457878 | 41.91 | ng | # | 70 |
| 37) 2-Methylnaphthalene | 12.47 | 142 | 1091308 | 41.34 | ng | # | 92 |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.84 | 216 | 536057 | 40.25 | ng | # | 97 |
| 40) Hexachlorocyclopentadiene | 12.82 | 237 | 274203 | 40.74 | ng | | 93 |

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|---|---|---|---|---|---|---|---|
| 42) 2,4,6-Trichlorophenol | 13.08 | 196 | 384803 | 40.57 | ng | | 95 |
| 43) 2,4,5-Trichlorophenol | 13.15 | 196 | 404488 | 40.33 | ng | # | 91 |
| 45) 1,1'-Biphenyl | 13.48 | 154 | 1400281 | 39.85 | ng | | 99 |
| 46) 2-Chloronaphthalene | 13.52 | 162 | 1065933 | 40.03 | ng | | 97 |
| 47) 2-Nitroaniline | 13.72 | 65 | 282325 | 41.51 | ng | # | 49 |
| 48) Acenaphthylene | 14.36 | 152 | 1719947 | 40.17 | ng | | 99 |
| 49) Dimethylphthalate | 14.09 | 163 | 1394529 | 40.74 | ng | | 98 |
| 50) 2,6-Dinitrotoluene | 14.20 | 165 | 339937 | 42.47 | ng | # | 57 |
| 51) Acenaphthene | 14.70 | 154 | 1096792 | 40.24 | ng | | 97 |
| 52) 3-Nitroaniline | 14.54 | 138 | 364075 | 41.70 | ng | # | 64 |
| 53) 2,4-Dinitrophenol | 14.75 | 184 | 164085 | 39.49 | ng | # | 77 |
| 54) Dibenzofuran | 15.03 | 168 | 1722771 | 40.56 | ng | # | 89 |
| 55) 4-Nitrophenol | 14.85 | 139 | 314355 | 42.65 | ng | # | 38 |
| 56) 2,4-Dinitrotoluene | 14.99 | 165 | 490077 | 43.11 | ng | # | 68 |
| 57) Fluorene | 15.68 | 166 | 1420306 | 40.61 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 15.26 | 232 | 407399 | 39.94 | ng | # | 95 |
| 59) Diethylphthalate | 15.44 | 149 | 1413143 | 40.61 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 15.67 | 204 | 717237 | 41.09 | ng | # | 87 |
| 61) 4-Nitroaniline | 15.70 | 138 | 398230 | 42.77 | ng | # | 49 |
| 62) Azobenzene | 15.96 | 77 | 1097011 | 40.85 | ng | | 79 |
| 64) 4,6-Dinitro-2-methylphenol | 15.76 | 198 | 313120 | 42.44 | ng | | 86 |
| 65) n-Nitrosodiphenylamine | 15.88 | 169 | 1275794 | 40.48 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 16.56 | 248 | 477726 | 40.02 | ng | | 94 |
| 67) Hexachlorobenzene | 16.68 | 284 | 528097 | 40.24 | ng | # | 88 |
| 68) Atrazine | 16.82 | 200 | 504978 | 40.98 | ng | | 98 |
| 69) Pentachlorophenol | 17.03 | 266 | 329719 | 41.59 | ng | | 97 |
| 70) Phenanthrene | 17.41 | 178 | 2270294 | 40.36 | ng | | 98 |
| 71) Anthracene | 17.50 | 178 | 2349872 | 40.43 | ng | | 97 |
| 72) Carbazole | 17.77 | 167 | 2248717 | 40.40 | ng | | 97 |
| 73) Di-n-butylphthalate | 18.32 | 149 | 2505272 | 40.14 | ng | # | 95 |
| 74) Fluoranthene | 19.42 | 202 | 2690283 | 41.25 | ng | | 97 |
| 76) Benzidine | 19.59 | 184 | 1419461 | 43.07 | ng | | 98 |
| 77) Pyrene | 19.77 | 202 | 2724462 | 41.23 | ng | | 97 |
| 79) Butylbenzylphthalate | 20.65 | 149 | 1167734 | 41.07 | ng | # | 81 |
| 80) Benzo(a)anthracene | 21.60 | 228 | 2660170 | 40.13 | ng | | 99 |
| 81) 3,3'-Dichlorobenzidine | 21.51 | 252 | 1110830 | 40.40 | ng | | 100 |
| 82) Chrysene | 21.66 | 228 | 2459328 | 40.32 | ng | | 98 |
| 83) Bis(2-ethylhexyl)phthalate | 21.49 | 149 | 1658955 | 40.49 | ng | | 96 |
| 84) Di-n-octyl phthalate | 22.68 | 149 | 2816949 | 41.17 | ng | # | 81 |
| 85) Indeno(1,2,3-cd)pyrene | 28.40 | 276 | 3429072 | 41.00 | ng | # | 88 |
| 87) Benzo(b)fluoranthene | 23.78 | 252 | 2888395 | 40.92 | ng | # | 96 |
| 88) Benzo(k)fluoranthene | 23.84 | 252 | 2733155 | 40.17 | ng | # | 95 |
| 89) Benzo(a)pyrene | 24.63 | 252 | 2767464 | 40.61 | ng | # | 96 |
| 90) Dibenzo(a,h)anthracene | 28.45 | 278 | 2891213 | 41.30 | ng | # | 93 |
| 91) Benzo(g,h,i)perylene | 29.52 | 276 | 2850590 | 40.72 | ng | # | 89 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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